



Chart 11322 (Side B)

NM 35/03

FREEPORT HARBOR CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUN 2003							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
CHANNEL FROM DEEP WATER TO SEAWARD END OF JETTY	43.0	46.0	42.0	4-03	400	3.7	47
JETTY CHANNEL	42.0	44.0	40.0	4-03	400	1.2	45
LOWER TURNING BASIN THENCE TO BRAZOSPORT	43.0	45.0	42.0	4-03	750	0.9	45
TURNING BASIN	46.0	48.0	46.0	1-03	400-600	0.4	45
BRAZOSPORT TURNING BASIN CHANNEL TO UPPER	45.0	48.0	47.0	1-03	500-1000	0.2	45
TURNING BASIN	45.0	48.0	47.0	1-03	280-470	0.9	45
BRAZOS HARBOR APPROACH CHANNEL	39.0	41.0	40.0	1-03	200-650	0.5	36
BRAZOS HARBOR TURNING BASIN	36.0	38.0	40.0	1-03	750	0.1	36
UPPER TURNING BASIN	46.0	48.0	48.0	1-03	600-1190	0.2	45
CHANNEL TO STAUFFER							
TURNING BASIN	17.0	19.0	17.5	11-88	200	1.0	25
STAUFFER TURNING BASIN	18.0	18.0	16.0	11-88	500	0.1	25
INFORMATION IN THIS TABULATION HAS BEEN PROVIDED TO NOAA BY THE U.S. ARMY CORPS OF ENGINEERS. DEPTHS ARE REFERENCED TO A LOCAL DREDGING REFERENCE CALLED MEAN LOW TIDE. FOR AN APPROXIMATE CONVERSION TO MEAN LOWER LOW WATER, ADD 1 FOOT TO EACH DEPTH IN THE TABULATION.							
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

Chart 11342

NM 35/03

SABINE PASS - SABINE - NECHES CANAL CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JULY 2003								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
SABINE PASS:								
OUTER BAR CHANNEL	37	42	39	38	2-03	800	3.0	42
JETTY CHANNEL	36	42	42	31	6-03	800-500	3.5	40
PASS CHANNEL	24	28	40	29	6-03	500-1150	4.9	40
ANCHORAGE BASIN	33	21	11	1	2-03	1500	0.5	40
PORT ARTHUR SHIP CANAL	36	42	40	36	6-03	500	4.8	40
JUNCTION PORT ARTHUR- SABINE NECHES CANALS	31	38	34	33	1-03	400-1200	1.1	40
ENTRANCE TO PORT ARTHUR TURNING BASINS	39	41	40	40	5-03	282-735	0.2	40
EAST TURNING BASIN	41	41	42	40	5-03	370-547	0.3	40
WEST TURNING BASIN	41	41	42	39	5-03	350-735	0.3	40
CHANNEL CONNECTING WEST BASIN AND								
TAYLOR BAYOU TURNING BASIN	37	43	42	40	5-03	200-350	0.5	40
TAYLOR BAYOU TURNING BASIN	27	38	39	35	5-03	90-1233	0.6	40
SABINE-NECHES CANAL:								
PORT ARTHUR TO NECHES RIVER	32	37	35	31	2-03	400	9.6	40
NECHES RIVER TO SABINE RIVER	25	25	23	21	12-02	200	3.9	30
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

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Chart 11343

NM 35/03

SABINE AND NECHES RIVERS CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JULY 2003								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
SABINE-NECHES CANAL :								
PORT ARTHUR TO NECHES RIVER	32	37	35	31	2-03	400	9.6	40
NECHES RIVER TO SABINE RIVER	25	25	23	21	12-02	200	3.9	30
NECHES RIVER:								
MOUTH TO SMITH BLUFF	33	33	32	31	4-03	400	8.3	40
TURNING BASIN AT DEER BAYOU	37	34	32	31	4-03	700	0.2	40
TURNING BASIN AT SMITHS BLUFF	38	35	35	33	4-03	1400-400	0.2	40
SMITH BLUFF TO BEAUMONT	30	38	37	30	4-03	400	7.5	40
TURNING BASIN (30°02'12"N, 94°01'58"W)	36	39	40	38	4-03	400-1306	0.2	40
CHANNEL EXTENSION	34	36	34	28	4-03	350	0.2	36
MANEUVERING AREA (30°04'44"N, 94°05'05"W)	30	38	38	32	4-03	400-1000	0.6	40
BEAUMONT TURNING BASIN	37	35	36	30	4-03	400-535	0.2	34
TURNING BASIN EXTENSION	32	34	31	25	4-03	300	0.2	34
THENCE TO TRINITY INDUSTRIES	18	22	23	16	4-03	200	0.6	30
SABINE RIVER:								
MOUTH TO ORANGE MUNICIPAL SLIP	26	29	30	26	12-02	200	6.6	30
ORANGE TURNING BASIN	26	26	29	28	12-02	200 - 1400	0.6	30
ORANGE MUNICIPAL SLIP	24	30	26	20	9-02	150-200	0.5	30
ORANGE MUNICIPAL SLIP TO OLD HIGHWAY BRIDGE SITE	27	29	32	29	12-02	200	2.2	30
CHANNEL AROUND ORANGE HARBOR ISLAND	13	16	20	18	9-02	150-200	1.6	25
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 11537

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CAPE FEAR RIVER CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUN 2003								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BALDHEAD SHOAL	34.2	36.7	30.3	21.8	6-03	500	5.0	40
SMITH ISLAND	42.9	43.4	44.0	43.6	2-03	500	1.0	40
BALDHEAD CASWELL CHANNEL	42.5	45.7	45.8	45.4	6-03	500	0.4	40
SOUTHPORT CHANNEL	43.8	44.3	44.0	40.0	6-03	500	1.0	40
BATTERY ISLAND CHANNEL	44.7	44.1	44.5	31.1	6-03	500	0.5	40
LOWER SWASH	41.0	42.1	42.0	40.9	5-03	400	1.6	38
SNOWS MARSH	39.4	41.6	41.1	39.5	5-03	400	3.1	38
HORSESHOE SHOAL	40.1	41.5	41.0	40.0	2-03	400	1.2	38
REAVES POINT	42.8	42.4	41.7	42.6	5-03	400	1.2	38
LOWER MIDNIGHT	35.7	38.0	39.0	37.2	12-02;4-03	400	1.6	38
UPPER MIDNIGHT	18.8	34.0	37.0	33.8	5-03	400	2.7	38
LOWER LILLIPUT	38.3	38.0	38.5	36.7	5-03	400	1.9	38
UPPER LILLIPUT	44.0	43.6	43.7	42.1	4-03	400	1.9	38
KEG ISLAND	41.6	43.5	43.6	36.6	4-03	400	1.4	38
BIG ISLAND LOWER	32.9	38.9	41.0	26.0	4-03	400	0.8	38
BIG ISLAND UPPER	37.7	41.2	39.5	33.1	4-03	400	0.5	38
LOWER BRUNSWICK	41.6	43.1	42.5	37.0	4-03	400	1.6	38
UPPER BRUNSWICK	41.8	43.4	45.2	43.0	4-03	400	1.0	38
FOURTH EAST JETTY	42.8	43.0	43.1	40.7	3-03	400	1.2	38
BETWEEN CHANNEL	35.1	39.7	39.4	36.1	4-03	550	0.8	38
ANCHORAGE BASIN & APP CHANNEL	29.1	32.8	36.8	33.9	5-03	450-1060	1.3	38
HWY 74-76 TO BATTLESHIP	26.7	33.7	35.5	28.3	11-02	400	0.6	32
BATTLESHIP TO HWY 117 INCLUDING TURNING BASIN	9.0	29.4	31.4	18.6	11-02	190-850	-	32
HWY 117 TO HILTON BR	27.7	27.9	31.2	30.8	11-02	200-400	0.5	32
THENCE TO END OF PROJECT AT 34°16'36"N, 77°57'01"W	22.9	22.6A	20.8B	17.5C	11-02	200	1.2	25
TURNING BASIN	20.9	21.1	17.2	12.8	11-02	500	0.1	25
A. EXCEPT FOR SHOALING TO 17.3 FEET FOR THE LAST 150 FEET OF THE PROJECT. B. EXCEPT FOR SHOALING TO 10.1 FEET FOR THE LAST 150 FEET OF THE PROJECT. C. EXCEPT FOR SHOALING TO 10.7 FEET FOR THE LAST 250 FEET OF THE PROJECT. NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

## SECTION I

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Chart 11545

NM 35/03

MOREHEAD CITY HARBOR CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUN 2003								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BEAUFORT INLET CHANNEL FROM 2000 FT NORTH OF LTD. BUOY "8"	44.1	45.0	45.2	42.4	2,3-03	450-800	2.26	47
CUTOFF CHANNEL	48.0	48.7	45.4	41.4	2,3-03	600	0.38	42
MOREHEAD CITY CHANNEL	33.4	42.5	42.2	37.9	6-03	400	1.10	40
TURNING BASIN								
EAST LEG	44.9	43.6	44.5	43.2	3-03	400-870	0.78	40
WEST LEG	34.8	36.1	38.2	39.5	3-03	800-3000	0.59	35
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 11547

NM 35/03

MOREHEAD CITY HARBOR CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUN 2003								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BEAUFORT INLET CHANNEL FROM 2000 FT NORTH OF LTD. BUOY "8"	44.1	45.0	45.2	42.4	2,3-03	450-800	2.26	47
CUTOFF CHANNEL	48.0	48.7	45.4	41.4	2,3-03	600	0.38	42
MOREHEAD CITY CHANNEL	33.4	42.5	42.2	37.9	6-03	400	1.10	40
TURNING BASIN								
EAST LEG	44.9	43.6	44.5	43.2	3-03	400-870	0.78	40
WEST LEG	34.8	36.1	38.2	39.5	3-03	800-3000	0.59	35
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 12252

NM 35/03

JAMES RIVER			
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS SURVEYS TO MAR 2003			
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)			
NAME OF CHANNEL	DEPTH MLLW (FEET)	WIDTH (FEET)	DATE OF SURVEY
HOPEWELL TO RICHMOND DEEPWATER TERMINAL	24.7	200	6-01
37°27'05.0"N, 77°25'07.4"W			
CHANNEL ADJOINING TURNING BASIN	21.7	200	3-03
TURNING BASIN	22.2	385	3-03
THENCE TO RICHMOND			
HARBOR TURNING BASIN	16.9	200	10-99;2-00
TURNING BASIN	9.6	140-175	3-03
THENCE TO THE LOCKS	7.7	200	3-03
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE			

## SECTION I

NM 35/03

Chart 12311

NM 35/03

CHRISTINA RIVER CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAY 2003							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT CHRISTINA RIVER DATUM					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT MILES)	DEPTH (FEET)
ENTRANCE CHANNEL TO THE UPPER END OF THE TURNING BASIN THENCE TO THE LOBDELL CANAL TURNING BASIN (OPPOSITE TERMINAL WHARF)	36.7	36.3	36.6	5-03	500-340	0.70	38
	35.0	24.1	30.7	5-03	400	0.33	35
	38.6	38.5	38.6	5-03	320	0.34	38
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

Chart 12369

NM 35/03

BRIDGEPORT AND BLACK ROCK HARBORS - CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUN 2003 AND SURVEYS TO MAR 2000							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BRIDGEPORT ENTRANCE CHANNEL	30.0	31.1	29.3	7-97,3-00	400	2.5	35
BRIDGEPORT REACH	25.0	26.5	24.4	1,2,3-00	400-600	0.9	35
PEQUONNOCK RIVER							
LOWER REACH	A 10.9	13.9	10.9	11-92	69-300	0.5	18
UPPER REACH	B 8.9	C 8.0	D 8.0	11-92	69-125	0.4	18
JOHNSONS CREEK							
ENTRANCE CHANNEL	10.9	9.2	E 9.4	3-00	200-350	0.7	15
NEWFIELD REACH	9.9	9.0	6.6	7-90,3-00	100	0.2	9
YELLOW MILL CHANNEL							
LOWER REACH	11.3	15.2	10.6	7-90	200-100	0.3	18
MIDDLE REACH	13.7	16.1	14.4	7-90	200-100	0.3	18
UPPER REACH	F 12.1	G 13.2	2.4	7-90	150	0.3	18
BLACK ROCK ENTRANCE CHANNEL	11.0	14.1	14.7	11-91	150	1.1	18
BLACK ROCK REACH	9.9	14.2	10.4	11-91	150	0.6	18
CEDAR CREEK CHANNEL	13.8	15.6	15.0	11-91	200-150	0.4	18
WEST BRANCH	14.8	15.1	15.0	11-91	100	0.3	18
EAST BRANCH	H 15.9	H 16.3	H 15.5	11-91	100	0.2	18
<p>A. EXCEPT FOR SHOALING TO 3.6 FEET NEAR WEST CHANNEL LIMIT ABOUT 450-560 FEET UPSTREAM FROM THE ROUTE 95 HIGHWAY BRIDGE; AND SCATTERED SHOALING TO 4.2 FEET NEAR WEST CHANNEL LIMIT 350-450 FEET UPSTREAM OF CONGRESS STREET BRIDGE.</p> <p>B. EXCEPT FOR SCATTERED SHOALING TO 3.3 FEET WITHIN 30 FEET OF WEST LIMIT NEAR UPSTREAM END OF THE PROJECT.</p> <p>C. EXCEPT FOR SCATTERED SHOALING TO 2.8 FEET WITHIN 90 FEET OF WEST LIMIT ABOUT 300 FEET FROM THE END OF PROJECT.</p> <p>D. EXCEPT FOR SCATTERED SHOALING TO 2.2 FEET WITHIN 30 FEET OF EAST LIMIT ABOUT 300 FEET FROM THE END OF PROJECT.</p> <p>E. EXCEPT FOR SHOALING TO 3.7 FEET AT 41°09'58.0"N, 73°10'02.3"W.</p> <p>F. EXCEPT FOR SHOALING TO 0.1 FEET AT THE UPSTREAM END OF THE PROJECT.</p> <p>G. EXCEPT FOR SHOALING TO 4.3 FEET AT THE UPSTREAM END OF THE PROJECT.</p> <p>H. EXCEPT FOR SHOALING TO 5.6 FEET THE LAST 200 FEET OF THE CHANNEL.</p> <p>NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION</p>							